

# **AVW TECHNOLOGIES, INC.**

**Schedule Number: 871 – Professional Engineering Services**

**SINS Awarded: 871-4 & 871-4RC**

**Contract Number: GS-23F-0300P**

**Contract Period: 6/17/2009 - 6/16/2014**

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**Business Size: Small Business**

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## Company Overview

AVW Technologies, Inc. provides Professional Engineering Services to and Information Technology Solutions in support of Naval Acquisition Programs, Test and Evaluation (T&E) Support to Commander Operational Test and Evaluation Force (COMOPTEVFOR). AVW also offers Engineering Management Consulting Services to ship builders. Our Engineering efforts are specifically focused on Defense acquisition, from Design through Production and Test and Lifecycle Management. AVW's cadre of Subject Matter Experts is comprised of former Naval Officers specializing in Surface Warfare. Our IT efforts are specifically focused on Database Designs and Exceptional Multimedia Solutions to support our SMEs.

AVW is also a recognized leader in the use of Integrated Product Data Environments and Digital Product Models to support Ship Acquisition, as well as the use of Modeling and Simulation technologies to support Design, Production and T&E. Our SME staff includes former COMOPTEVFOR Operational Test Directors who are well versed in: distributed land based test beds and their use in design integration testing; the TWIPT; requirements documents and Test and Evaluation Master Plan (TEMP) development and approval process, to include writing the TEMP Part IV and managing Operational Assessments. Our IT staff includes personnel with 3-6+ years experience in database management system support to include database administration, constructing, execution and managing database systems (access control, auditing, backups, and recovery ), or architecture and physical design of large multipurpose, adaptable database systems. Our versatile IT team has proven experience in web page or multimedia design, development or implementation to include interactive or static designs.

# Description of Services Offered

- Professional Engineering Services
- Test and Evaluation Support Services
- Shipbuilder Engineering Management Consulting Services
- Information Technology Services

## Professional Engineering Services

### **SIN: 871-4 Test and Evaluation**

Services available under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training, privatization and outsourcing.

### **SIN: 871-4RC Disaster Recovery Contracting Services**

Services available under this SIN provides for state and local governments to use GSA Schedules for disaster recovery as provided for in Section 833 of the National Defense Authorization Act for Fiscal Year 2007, commonly known as the John Warner National Defense Authorization Act (P.L. 109-364). Specifically, it authorizes the use of Federal Supply Schedules by state and local governments to facilitate recovery from major disasters, terrorism, nuclear, biological, chemical, or radiological attacks. The disaster must be declared by the President under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C.5121 et. seq.).

# Pricing of Services

Our practice is to price services on an hourly rate basis using Labor Categories and corresponding rates as follows (IFF included).

Note: All monetary rates are the same for on and off-site services

Labor Category	6/17/2009 to 6/16/2010	6/17/2010 to 6/16/2011	6/17/2011 to 6/16/2012	6/17/2012 to 6/16/2013	6/17/2013 to 6/16/2014
Managing Engineer II	n/a	\$220.00	\$226.60	\$233.40	\$240.40
Managing Engineer I	n/a	\$170.00	\$175.10	\$180.35	\$185.76
SME – Engineer II	n/a	\$180.00	\$185.40	\$190.96	\$196.69
SME – Engineer I	n/a	\$150.00	\$154.50	\$159.14	\$163.91
Sr. Military Engineering Analyst	\$115.92	\$119.40	\$122.98	\$126.67	\$130.47
Military Engineering Analyst	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38
Word Processing (Incidental)	\$40.57	\$41.79	\$43.04	\$44.34	\$45.67
Database Specialist	\$81.95	\$84.41	\$86.94	\$89.55	\$92.24
Web Page/Multimedia Specialist	\$71.03	\$73.16	\$75.35	\$77.62	\$79.94

# Labor Categories

## **Managing Engineer (ME)**

Defines and oversees projects of significant technical complexity in fulfilling client requirements. Has outstanding knowledge and competence in one or more specific technical areas and is recognized as exceedingly well qualified to conceptualize, manage, coordinate, and carry out complex projects. Professional experience includes working in all phases of the product life cycle.

Develops and monitors project plans and is responsible for cost, schedule, and technical performance from inception through completion. Manages all resources and directs the daily tactical activities of the project. Identifies problems, and creates consensus solutions. Prioritizes workload and manages project staffing to ensure appropriate qualifications and experience levels are consistent with current and projected project activities. Responsible for the resolution of technical issues.

Prepares and delivers presentations and formal briefings to colleagues, subordinates, and clients. Ensures project deliverables are on schedule and within funding. Leads technical discussions for project reviews. Establishes and maintains effective relationships with customer, subcontractors, other prime contractors and other outside agencies.

Can perform as primary customer contact for project activities.

Conducts regular project management review sessions with clients.

## **Level II**

Minimum Education: BS Degree plus 12 years of relevant work experience,

or MS Degree plus 10 years of relevant work experience

or Doctorate plus 8 years of relevant work experience.

## **Level I**

Minimum Education: BS Degree plus 8 years of relevant work experience,

or MS Degree plus 6 years of relevant work experience,

or Doctorate plus 4 years of relevant work experience.

### **Subject Matter Expert – Engineer (SME-ENG)**

Provides scientific, technical and applied engineering knowledge of specialized applications and operational environments to high-level functional systems analysis across all product lifecycle phases.

Plans, estimates, schedules, coordinates, documents and/or performs work that involves conventional engineering applied to research, specification, design, development, testing, analysis and evaluation, production, maintenance, operations and logistics.

Applies engineering and scientific expertise to systems, hardware, software and/or firmware, processes, procedures and engineering facilities.

### **Level II**

Minimum Education: BS Degree plus 12 years of relevant work experience,

or Degree plus 10 years of relevant work experience

or Doctorate plus 8 years of relevant work experience.

### **Level I**

Minimum Education: BS Degree plus 8 years of relevant work experience,

or MS Degree plus 6 years of relevant work experience,

or Doctorate plus 4 years of relevant work experience.

### **Senior Military Engineering Analyst (SMEA)**

Minimum Education: BS Engineering Degree or the equivalency of two years directly related experience for 1 year of college. Related experience includes overseeing the accomplishment of engineering tasks being performed in a professional engineering environment, government or commercial.

Functional Responsibilities:

Plans and performs complex engineering studies, analyses, and design requiring expert application of advanced and diversified engineering principles and knowledge of user requirements. Also, implements these concepts to both generalized and specialized system/component requirements.

Conduct engineering tests, inspections and investigations. Develops system procedures, methods and tests.

Prepares and reviews designs, specifications, related technical documentation and technical proposals. Involves exploration of subject area, definition of scope and selection of problems for investigation, and development of concepts and approaches.

Provides guidance and assistance in coordinating tasks and assuring technical adequacy of the end product.

Translates complex problems and requirements into practicable system definitions.

Generates system hardware and software specifications for all levels of application (concept through production and use).

Ensures compliance with technological standards throughout the project.

Client contact is routine and frequent.

### **Military Engineering Analyst (MEA)**

Minimum Education: BA/BS Degree or the equivalency of two years directly related experience for 1 year of college. Related experience includes performing engineering analyses, tests and studies in a professional engineering environment, government or commercial.

Functional Responsibilities:

Plans and conducts work requiring judgment in the independent evaluation selection, and substantial adaptation and modification or standard techniques, procedures, and criteria.

Performs software and hardware requirements analysis, design, development, testing, and documentation for components of complex systems or for small non-complex systems using standard procedures and criteria.

Maintains currency in technical field.

Develops, reviews, and updates software and hardware performance specifications. Analyzes and evaluates existing or proposed systems and devises computer systems to process data.

Accomplishes functional and empirical analysis related to designing, developing and implementing software operating systems for computer systems.

### **Word Processor Support (WP Incidental)**

Minimum Education: High School Diploma. Related experience includes preparing a wide variety of documentation in support of government or commercial projects.

Functional Responsibilities:

Proficiency in managing personnel, financial management operations and technical program management.

**Database Specialist**

Minimum Education: AS Degree or the equivalency of two years directly related experience for 1 year of college. Related experience includes database design, programming, and administration.

Functional Responsibilities:

Assists with monitoring database usage, troubleshoots data compatibility and integrity issues, and makes modifications for enhanced performance.

Assists with defining and documents database administration policies and procedures.

**Web Page/Multimedia Specialist**

Minimum Education: AS Degree or the equivalency of two years directly related experience for 1 year of college. Related experience includes supporting the Senior Designers with product or system design in support of government or commercial projects.

Functional Responsibilities:

Prepares sketches or complete detail and layout drawings from verbal or written instructions on the most complex projects.

Analyzes existing systems and defines, designs, and develops new system requirements.

Determines system specifications, input/output processes, and working parameters for hardware/software compatibility.

Coordinates design of subsystems and integration of total system.

Works under the direction of senior designers or engineers on the development of designs.